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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,587	07/29/2002	Judson Sloan Marte	RD-282041	5118
6147	7590	09/23/2004	EXAMINER	
GENERAL ELECTRIC COMPANY GLOBAL RESEARCH PATENT DOCKET RM. BLDG. K1-4A59 NISKAYUNA, NY 12309			BARRERA, RAMON M	
			ART UNIT	PAPER NUMBER
			2832	

DATE MAILED: 09/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/064,587

Applicant(s)

MARTE ET AL.

Examiner

Ramon M Barrera

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 June 2004.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-55 is/are pending in the application.  
4a) Of the above claim(s) 3-7, 13, 15, 32-36, 42, 44 and 51-55 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1, 2, 8-12, 14, 16-31, 37-41, 43 and 45-50 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 29 July 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 8/5/02.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Election/Restrictions***

1. Applicant's election of Species A-I and B-III in the reply filed on 6/24/04 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
2. Claims 3-7, 13, 15, 32-36, 42, 44, and 51-55 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 8-12, 22, 28, 31, and 37-41 are rejected under 35 U.S.C. 102(b) as being anticipated by Laskaris, et al.(US6150819), cited on Applicant's IDS.

Laskaris in Fig. 10A discloses a laminated magnetic pole piece comprising a plurality of stacks with sheets of adjacent stacks oriented at an angle. The sheets are made of an alloy that comprises iron and aluminum (col. 8, lines 14-15). The sheets are .0254 mm (1 mil) thick (col 4, line 22) and bound with inherently electrically insulating adhesive (col. 4, lines 46-52).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 17, 20-21, 23-27, 46, and 48-50 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Laskaris, cited above. The claimed product appears to be the same or similar to that of Laskaris. It is noted that product by process limitations are not limited to the manipulations of the recited steps, only the structure implied by the steps.

7. Claims 2, 16, 29-30, 45 rejected under 35 U.S.C. 103(a) as being unpatentable over Laskaris, cited above, and further in view of Albert (US2875114), cited in Applicant's IDS.

Laskaris failed to disclose the resistivity and the percentage of Al in his Al-Fe alloy. Albert disclosed an 0.762mm (.003in) tape of 5.5% Al-Fe alloy having a resistivity of 65 microohm-cm. (col. 3, lines 47-71). Albert disclosed his material was advantageous for magnetic applications because it resulted in lower core losses. Since Laskaris and Albert are both from the same field of endeavor, the purpose disclosed by Albert would have been recognized in the pertinent art of Laskaris. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to

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employ Albert's Al-Fe material in Laskaris for the purpose of providing reduced core losses.

8. Claims 14, 18-19, 43 and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Laskaris in view of Kaufman, et al..

Laskaris failed to specify the electrically insulating material separating the sheets. However, in col. 4, lines 51-52, Laskaris states "the adhesive may comprise any adhesive substance known in the art as a metal to metal adhesive". Kaufman discloses the use of epoxy for the purpose of providing an insulating filler between pole piece laminations. Since Laskaris and Kaufman are both from the same field of endeavor, the purpose disclosed by Laskaris would have been recognized in the pertinent art of Kaufman. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to employ an epoxy adhesive in Laskaris for the purpose of providing an insulating filler. With regards to claims 18-19 and 47, the claimed product appears to be the same or similar to that of Laskaris in view of Kaufman. It is noted that product by process limitations are not limited to the manipulations of the recited steps, only the structure implied by the steps.

9. Claims 14, 18-19, 43 and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Laskaris in view of Nishihara, et al.

Laskaris failed to specify the electrically insulating material separating the sheets. However, in col. 4, lines 51-52, Laskaris states, "the adhesive may comprise any adhesive substance known in the art as a metal to metal adhesive". Nishihara discloses the use of polycarbosilane (polyorganosilane) for the purpose of providing an

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adhesive between metallic materials (col.1, lines 53-55). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to employ a polyorganosilane adhesive in Laskaris for the purpose of adhering the metallic sheets because adhesives for metallic materials was known to be reasonably pertinent to the art of Laskaris. With regards to claims 18-19 and 47, the claimed product appears to be the same or similar to that of Laskaris in view of Kaufman. It is noted that product by process limitations are not limited to the manipulations of the recited steps, only the structure implied by the steps.

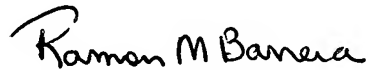
### ***Conclusion***

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramon M Barrera whose telephone number is (571) 272-1987. The examiner can normally be reached on Monday through Friday from 11 to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571)272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Ramon M Barrera  
Primary Examiner  
Art Unit 2832

rmb